

PROJECT NUMBER: 8101  
PROJECT TITLE: Cigarette Testing Services Division  
SECTION LEADER: Jane Y. Lewis  
PERIOD COVERED: July, 1988

## I. MARKET ACTIVITY

A. Objective: To monitor and report new brand introductions and brand modifications for the domestic and international cigarette markets.

B. Results:

1. American Tobacco Company

The Carlton cigarettes listed are being nationally distributed with new package graphics. These graphics incorporate a new black lettering style. No changes were noted in smoke deliveries or cigarette construction for these brands. Carlton 85 (Box) has been renamed Ultra Carlton and the package was changed from red/white to blue/white. The tar and nicotine values listed on the packs are as follows:

	<u>Tar</u>	<u>Nicotine</u>
Ultra Carlton 85 (Box)	<0.01	<0.002
Carlton 85 plain and menthol	1	0.1
Carlton 100 plain	3	0.3
Carlton 100 menthol	5	0.5
Carlton 100 (Box) plain & men.	1	0.1
Carlton 120 plain & men.	6	0.6

2. R. J. Reynolds

A change to a more porous cigarette paper (19 to 15 seconds) resulted in lower tar (10 to 9 mg), nicotine (0.7 to 0.6 mg) and CO (12 to 11 mg) deliveries for Winston Lights 85 cigarettes. A lower total RTD was also observed (143 to 119 mm of H<sub>2</sub>O). The ventilation type changed from electrostatic to laser perforation. Winston Lights 85 cigarettes continue to have cork tipping paper.

## II. METHODS DEVELOPMENT AND SUPPORT

A. Objective: To evaluate and recommend new technology in support of programs for R&D and Manufacturing.

B. Results:

1. Graphs for C.I. Report

In conjunction with CAD, software has been developed which will enable us to produce the graphs for the C.I. Report

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using the PS Laser Printer. The data for the graphs are extracted directly from the C.I. database and copied to files for production of graphs. Previously the graphs were produced manually.

2. Product Natural

At the request of personnel from Quality Engineering, the testing and calculation of cylinder volume/oven volatiles (CV/OV) laboratory equilibration factors will be established for Product Natural. Development of these empirical factors for all new tobacco blend formulations is a service which has been transferred to Cigarette Testing Services Division.

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